

McGuireWoods LLP  
1750 Tysons Boulevard  
Suite 1800  
McLean, VA 22102-4215  
Phone: 703.712.5000  
Fax: 703.712.5050  
www.mcguirewoods.com



Hae-Chan Park  
Direct: 703.712.5365  
Fax: 703.712.5365  
New York Only

**McGUIREWOODS**

September 10, 2002

Assistant Commissioner for Patents  
Washington, DC 20231

RE: U.S. Utility Patent Application  
Application No. 09/636,466  
Filed: August 11, 2000  
**THIN FILM TRANSISTOR ARRAY SUBSTRATE FOR A LIQUID CRYSTAL  
DISPLAY HAVING REPAIR LINES**  
Inventor: Woon-Yong PARK  
Our Ref: 6192.0148.AA

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.  
Patent and Trademark Office:

1. Petition to Withdraw Holding of Abandonment;
2. A copy of the Notice of Abandonment Under 37 CFR 1.53 (1) or (g);
3. A copy of the date-stamped postcard filed on November 28, 2000;
4. A copy of the transmittal letter filed on November 28, 2000;
5. A copy of the Response to Notice to File Missing Parts of Application;
6. A copy of the Combined Declaration and Power of Attorney;
7. A copy of the Notice to File Missing Parts of Nonprovisional Application  
filed on November 28, 2000; and
8. Two Acknowledgement postcards.

It is respectfully requested that the attached copy of the postcard be stamped with the  
filing date of these documents and mail it back to us.

**RECEIVED**

SEP 12 2002

**OFFICE OF PETITIONS**

hpc@mcguirewoods.com  
Direct Fax: 703.712.5280  
RECEIVED  
OCT - 3 2002  
10 2800 MAIL ROOM  
RECEIVED  
OCT - 1 2002  
TECHNOLOGY CENTER 3700 S.

Dr. C

U.S. Patent and Trademark Office  
September 10, 2002  
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 23-1951 referencing docket number 6192.0148.AA.

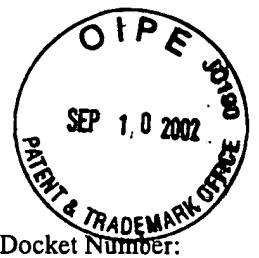
Respectfully submitted,

A handwritten signature in black ink, appearing to read "Hae-Chan Park", written in a cursive style.

Hae-Chan Park  
Reg. No. 50,114

HCP/tmk  
Enclosures

Combined Declaration and Power of Attorney for Patent Application



Docket Number:

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled **THIN FILM TRANSISTOR ARRAY SUBSTRATE FOR A LIQUID CRYSTAL DISPLAY HAVING REPAIR LINES**, the specification of which is attached hereto unless the following box is checked:

- ☒ was filed on August 11, 2000;  
☐ as United States Application Number or PCT International Application Number 09/636,466; and  
was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)			Priority Claimed
			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<u>1999-33092</u>	<u>KOREA</u>	<u>12/08/1999</u>	
(Application No.)	(Country)	(Day/Month/Year Filed)	
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
(Application No.)	(Country)	(Day/Month/Year Filed)	

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below

_____	_____
(Application No.)	(Filing Date)
_____	_____
(Application No.)	(Filing Date)

RECEIVED  
OCT - 2002  
TECHNOLOGY CENTER 3700

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or under § 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

RECEIVED

_____	_____	_____
(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)

SEP 12 2002  
OFFICE OF PETITIONS



Appl. No. \_\_\_\_\_  
Docket No. \_\_\_\_\_

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Jeffrey I. Auerbach, Reg. No. 32,680  
Melvin L. Barnes, Jr. Reg. No. 38,375  
Michael J. Bell, Reg. No. 39,604  
Mark R. Buscher, Reg. No. 35,006  
Celine T. Callahan, Reg. No. 34,301  
Cono A. Carrano, Reg. No. 39,623  
Joseph V. Colaianni, Reg. No. 39,948  
James F. Davis, Reg. No. 21,072  
Thomas M. Dunham, Reg. No. 39,965  
Joel M. Freed, Reg. No. 25,101  
Alan M. Grimaldi, Reg. No. 26,599  
Alexander J. Hadjis, Reg. No. 36,540  
Albert P. Halluin, Reg. No. 25,227  
Michael N. Haynes, Reg. No. 40,014

Leslie L. Jacobs, Jr., Reg. No. 40,659  
Richard H. Kjeldgaard, Reg. No. 30,186  
Joseph P. Lavelle, Reg. No. 31,036  
David R. Marsh, Reg. No. 41,408  
Kevin W. McCabe, Reg. No. 41,182  
Joseph A. Micallef, Reg. No. 39,772  
Karen L. Nicastro, Reg. No. 35,968  
Andrew Piatnacia, Reg. No. 40,772  
Andrea G. Reister, Reg. No. 36,253  
Stephen J. Rosenman, Reg. No. 29,209  
Timothy L. Scott, Reg. No. 37,931  
Anthony W. Shaw, Reg. No. 30,104  
J. David Smith, Reg. No. 39,839  
Michael J. Songer, Reg. No. 39,841

Send Correspondence to:

**HOWREY & SIMON**  
Attn: DOCKET DEPARTMENT  
Box No. 34  
1299 Pennsylvania Avenue, N.W.  
Washington, D.C. 20004-2402  
Facsimile: (202) 383-7195

Direct Telephone Calls to: (202) 783-0800

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

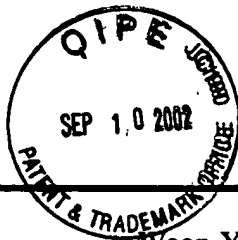
RECEIVED  
OCT - 1 2002  
TECHNOLOGY CENTER 3100

RECEIVED  
OCT - 3 2002  
TC 2800 MAIL ROOM

**RECEIVED**

SEP 12 2002

OFFICE OF PETITIONS



Appl. No. \_\_\_\_\_  
Docket No. \_\_\_\_\_

Full name of sole or first inventor	Woon-Yong PARK
Inventor's signature	<i>Woon Yong park</i> Date <i>10.16.2002</i>
Residence	Kyungki-do, Korea
Citizenship	Republic of Korea
Post Office Address	Jookong 5-danji Apt., 521-1107 Maetan 1-dong Paldal-ku, Suwon-city, Kyungki-do, Korea

Full name of second inventor	
Second inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

TECHNOLOGY CENTER 3700

OCT - 1 2002

RECEIVED

RECEIVED  
OCT - 3 2002  
TC 2800 MAIL ROOM

RECEIVED  
SEP 12 2002  
OFFICE OF PETITIONS



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Woon-Yong PARK

Application No.: 09/636,466

Confirmation No.: 8876

Filed: August 11, 2000

For: **THIN FILM TRANSISTOR ARRAY  
SUBSTRATE FOR A LIQUID  
CRYSTAL DISPLAY HAVING  
REPAIR LINES**

Art Unit: 2811

Examiner: TBD

Atty. Docket: 6192.0148AA

RECEIVED  
OCT-3 2002  
10C 2800 MAIL ROOM  
RECEIVED  
OCT-1 2002  
TECHNOLOGY CENTER 3700

**PETITION TO WITHDRAW HOLDING OF ABANDONMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Notice of Abandonment mailed **September 6, 2002**, Applicants hereby petition to withdraw holding of abandonment under 37 C.F.R. 1.181 (a).

The notice of abandonment indicates that the present application is abandoned for Applicant's failure to timely or properly reply to the Notice to File Missing Parts (Notice) mailed on 09/28/00. However, as evidenced by the attached postcard stamped on November 28, 2000, a Response to Notice to File Missing Parts of Application was filed. It was filed on November 28, 2000.

Therefore, it is believed that the U.S. Patent and Trademark might have mistakenly issued this notice of abandonment in error. Thus, Applicant hereby petition that the notice of abandonment be withdrawn. As a courtesy, Applicants enclose a copy of the postcard with the dated stamp and copies of the documents as filed.

**RECEIVED**

SEP 12 2002

**OFFICE OF PETITIONS**

Applicants: Woon-Yong PARK  
Application No.: 09/636,466

It is believed that no extension of time is necessary. However, if additional extensions of time are necessary to accommodate this petition, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 23-1951.

Prompt and favorable consideration of this Petition is respectfully requested.

Respectfully submitted,



Hae-Chan Park  
Registration No. 50,114

Date: September 10, 2002

**McGURIEWOODS LLP**  
1750 Tysons Boulevard  
Suite 1800  
McLean, VA 22102-4215  
Tel: 703-712-5365  
Fax: 703-712-5280



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/636,466	08/11/2000	Woon-Yong Park	

McGuire Woods LLP  
Suite 1800  
1750 Tysons Boulevard  
McLean, VA 22102



CONFIRMATION NO. 8876  
ABANDONMENT/TERMINATION  
LETTER  
\*OC000000008745569\*  
\*OC000000008745569\*

Date Mailed: 09/06/2002

## NOTICE OF ABANDONMENT UNDER 37 CFR 1.53 (f) OR (g)

The above-identified application is abandoned for failure to timely or properly reply to the Notice to File Missing Parts (Notice) mailed on 09/28/2000.

- No reply was received.

A petition to the Commissioner under 37 CFR 1.137 may be filed requesting that the application be revived.

Under 37 CFR 1.137(a), a petition requesting the application be revived on the grounds of **UNAVOIDABLE DELAY** must be filed promptly after the applicant becomes aware of the abandonment and such petition must be accompanied by: (1) an adequate showing of the cause of unavoidable delay; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(l); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Under 37 CFR 1.137(b), a petition requesting the application be revived on the grounds of **UNINTENTIONAL DELAY** must be filed promptly after applicant becomes aware of the abandonment and such petition must be accompanied by: (1) a statement that the entire delay was unintentional; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(m); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Any questions concerning petitions to revive should be directed to "Office of Petitions" at (703) 305-9282.

*A copy of this notice **MUST** be returned with the reply.*

Customer-Service Center  
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

RECEIVED  
OCT 1 2002  
TECHNOLOGY CENTER 3750

RECEIVED  
OCT - 3 2002  
C 2800 MAIL ROOM

RECEIVED

SEP 12 2002

OFFICE OF PETITIONS



**Inventors:** **Woon-Yong PARK**  
**Serial No.:** 09/636,466  
**Filing Date:** August 11, 2000  
**For:** Liquid Crystal Display

**Date:** November 28, 2000  
**Group Art.:** 2811  
**Examiner:** TBA  
**Att. Docket:** 06192.0148.NPUS00

**Box Missing Parts**  
 Assistant Commissioner of Patents and Trademarks

*Please place the Patent Office receipt stamp hereon to acknowledge receipt of the following:*

1. Transmittal Letter (in duplicate)
2. Response to Notice to Filing Missing Parts of Application
3. Copy of Notice to File Missing Parts
4. Original executed Declaration and Power of Attorney by Inventors
5. Check No. 340984 in the amount of \$840.00; and
6. Return postcard.

Michael J. Bell  
 Registration No. 39,604





1299 PENNSYLVANIA AVE., NW  
WASHINGTON, DC 20004-2402  
PHONE 202.783.0800  
FAX 202.383.6610  
A LIMITED LIABILITY PARTNERSHIP

November 28, 2000

**Box Missing Parts**

Assistant Commissioner for Patents  
Washington, DC 20231

Re: U.S. Utility Patent Application  
Application No. 09/646,466 Filed: August 11, 2000  
Title: LIQUID CRYSTAL DISPLAY  
Inventors: Woon-Yong PARK.  
Our Ref: 06192.0148.NPUS00

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. Response to Notice to File Missing Parts of Application;
2. Copy of Notice to File Missing Parts;
3. Original Declaration executed by Inventors;
4. Our Check No. 340984 for \$840.00 to cover

\$130.00 Surcharge for late filing of Declaration and \$710.00 for basic filing fee (37 C.F.R. § 1.16); and

5. Return postcard.

It is respectfully requested that the attached postcard be stamped with the filing date of these documents and returned to our courier.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No.08-3038 referencing docket number 06192.0148.NPUS00. If extensions of time under 37 C.F.R. § 1.136 other than those otherwise provided for herewith are required to prevent abandonment of the present patent application, then such extensions of time are hereby petitioned, and any fees therefor are hereby authorized to be charged to our Deposit Account No.08-3038 referencing docket number 06192.0148.NPUS00. A duplicate copy of this letter is enclosed.

Respectfully submitted,

Michael J. Bell  
Registration No. 39,604

Enclosures

RECEIVED  
OCT - 1 2002  
TECHNOLOGY CENTER 3100

RECEIVED  
OCT - 3 2002  
TC 2800 MAIL ROOM

RECEIVED  
SEP 12 2002  
OFFICE OF PETITIONS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Woon-Yong PARK

Application No. 09/636,466

Filed: August 11, 2000

For: THIN FILM TRANSISTOR ARRAY  
SUBSTRATES FOR LIQUID DISPLAY  
HAVING REPAIR LINES

Art Unit: 2811

Examiner: TBA

Attorney Docket: 06192.0148.NPUS00

Response to Notice to File  
Missing Parts of Application

Assistant Commissioner for Patents  
Washington, D.C. 20231  
ATTN: Box Missing Parts

Sir:

In response to the Notice to File Missing Parts of Nonprovisional Application Filed Under 37 CFR 1.53(b)--Filing Date Granted dated August 11, 2000, Applicants submit the following documents for appropriate action by the U.S. Patent and Trademark Office:

- ☒ Copy of the Notice to File Missing Parts;
- ☒ Original Declaration, executed by the inventors;
- ☒ Return postcard; and
- ☒ Our Check No. 340984 for \$840.00 to cover:
  - \$ 710.00 Filing Fee for Patent Application (37 C.F.R. § 1.16)
  - \$ 130.00 Surcharge for late filing of Declaration (37 C.F.R. § 1.16)
  - \$ \_\_\_\_\_ For extension of time fees under 37 C.F.R. § 1.136.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 08-3038 referencing docket number 06192.0148.NPUS00. If extensions of time under 37 C.F.R. § 1.136 other than those otherwise provided for herewith are required to prevent abandonment of the present patent application, then such extensions of time are hereby petitioned, and any fees therefor are hereby authorized to be charged to our Deposit Account No. 08-3038 referencing docket number 06192.0148.NPUS00. A duplicate copy of this Response is enclosed.

Respectfully submitted,

Michael J. Bell

Registration No. 39,604

Date: 11/28/00

HOWREY SIMON ARNOLD & WHITE, LLP  
Box No. 34  
1299 Pennsylvania Avenue, NW  
Washington, DC 20004-2402  
(202) 783-0800

RECEIVED

SEP 12 2002

OFFICE OF PETITIONS

TECHNOLOGY CENTER 3700

OCT - 1 2002

RECEIVED

OCT - 3 2002

RECEIVED

MAIL ROOM



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/636,466	08/11/2000	Woon-Yong Park	06192.0148.NPUS00

22930  
HOWREY SIMON ARNOLD & WHITE LLP  
BOX 34  
1299 PENNSYLVANIA AVENUE NW  
WASHINGTON, DC 20004



## FORMALITIES LETTER



\*OC000000005436625\*

Date Mailed: 09/28/2000

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 690 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).*
- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 820.

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

06/12/2003 TLW11 00000010 09636466

01 FC:1001  
02 FC:1051

710.00 OP  
130.00 OP

RECEIVED  
OCT - 3 2002  
TO 2800 MAIL ROOM

RECEIVED  
OCT - 1 2002  
TECHNOLOGY CENTER 3700

RECEIVED

SEP 12 2002

OFFICE OF PETITIONS